Index to Current Science, Volume 66, January-June 1994

AUTHOR INDEX

Abida, P. S. 668 (Research article) Abraham, Suresh K. see Sarma, Lakshmi Abrol, D. P. 105 (Scientific correspondence) Adhya, T. K. see Parashar, D. C. Agarwal, A. 442 (Research communication) Agarwal, S. S. 407 (Opinion) Agarwala, B. K. 385 (Research communication) Agrawal, M. see Pandey, J. Agrawal, Salil 259 (Opinion) Agrawal, Vinod see Agrawal, Salil Ahmad, S. M. 307 (Research communication); see Das Sharma, S. Ahuja, P. S. see Giri, C. C. Aiyer, Hemantkumar N. see Seshadri, Ram Alagesaboopathi, C. 865 (Research communication) Ali, Naushad see Das, M. R. Altaff, K. 81 (Research communication) Ambasht, R. S. 160 (Research communication) Ananthakrishnan, T. N. 271 (General article) Aradhye, B. V. see Joseph, George Arakeri, Vijay H. 213 (Review article) Arolkar, D. B. see Dessai, A. G. Arora, C. L. 314 (Research communication) Aruna, B. see Das, M. R. Arunachalam, Subbiah 803 (Book review)

Bagyaraj, D. J. see Pai, G. Bajpai, R. K. see Mamallan, R. Bajwa, M. S. see Arora, C. L. Banerjee, D. see Singhvi, A. K. Banerjee, Pradyot 246 (Historical notes) Banerjee, R. see Parashar, D. C. Banerjee, Ranjit K. 47 (Abstract) Banik, A. see Parashar, D. C. Baranidharan, S. 847 (Research article) Barua, A. K. S. see Parashar, D. C. Basha, Shaik Yazdani 335 (Scientific correspondence) Baskar, Ramanathan 67 (Research communication) Bera, Aloke Kumar 230 (Research communication) Bera, Rajendra K. 105 (Opinion) Bhaduri, Sumit 14 (Commentary)
Bhargava, S. C. 398 (Scientific correspondence)
Bhargava, S. C. 439 (Research communication) Bhat, C. K. 303 (Research communication) Bhat, C. L. see Bhat, C. K. Bhatia, S. K. 85 (Abstract) Bhattacharjee, Pijushpani 268 (General article) Bhattacharya, Dilip 621 (Scientific correspondence) Bhattacharya, Dipankar 5 (News) Bhattacharya, S. see Agarwala, B. K. Bhattacharyya, A. see Yadav, R. R. Bhogle, Srinivas 333 (News) Bhonsle, R. V. see Patil, Smrutika Biswas, Birendra B. see Raha, Sanghamitra Biswas, Susweta see Raha, Sanghamitra Bonner, John Tyler 793 (Historical reminiscences) Bose, [Satyendranath] 943 (Reproduced article, Historical commentary and notes) Brace, L. H. 547 (Article, Inner planets special issue)

Cava, Michael P. see Lakshmikantham, M. V. Chaddah, Praveen 84 (Abstract) Chakravorty, Animesh see Banerjee, Pradyot Chamyal, L. S. 306 (Research communication) Chanakya, H. N. see Ganguli, N. K. Chander, Ramesh 89 (Abstract) Chandra Babu, K. S. 715 (Article, special section) Chandran, M. R. see Altaff, K. Chandrasekhar, J. 90 (Book review) Chandrasekhara, M. R. 813 (Correspondence) Chatterjee, Enakshi see Chatterjee, Santimay Chatterjee, Santimay 166 (Historical notes) Chatterjee, S. P. see Maiti, T. K. Chattopadhyay, J. 181 (Scientific correspondence) Chattopadhyay, Subrata see Bera, Aloke Kumar Chaturvedi, G. S. see Parashar, D. C. Chaudhary, A. see Parashar, D. C. Choudhary, Vasant R. 85 (Abstract) Crifo, J. F. 583 (Article, Inner planets special issue) Crow, James F. 790 (Historical commentary and notes)

Brown, R. Hanbury 945, 950 (Historical commentary and

Brown, Stephen D. M. see Mileham, Philip

Bujurke, N. M. 699 (News)

Cubasch, U. see Lal, M.

Dala, Basudeb see Raha, Sanghamitra Dani, S. G. 814 (Correspondence) Das, Biswadip see Bera, Aloke Kumar Das, M. R. 622 (Scientific correspondence) Das, S. N. see Parashar, D. C. Dasgupta, Chanchal see Bera, Aloke Kumar Das Sharma, S. 857 (Research communication) Dastur, N. N. 889 (Correspondence) Dave, R. K. see Joseph, George Deosthali, Vrishali see Gadgil, Alaka S. Deshpande, M. D. 767 (Research communication) Desiraju, Gautam R. 97 (Correspondence) Dessai, A. G. 824 (Scientific correspondence) Dev, M. S. R. see Reddy, M. B. Dhawan, Satish 452 (Personal news) Dobhal, Rajendra 397 (News); see Uniyal, Parashu R. Dollfus, Audouin 525 (Article, Inner planets special issue) Durairaj, K. 833, 917 (Review articles) Dutta Roy, S. C. 890 (Correspondence) Dwivedi, B. N. 485 (Article, Inner planets special issue)

Fedoroff, Nina V. 877 (Personal news) French, D. see Dessai, A. G.

Gadgil, Alaka S. 297 (Research communication)
Gadgil, Madhav 401 (Commentary)
Ganguli, N. K. 70 (Research communication)
Garg, G. K. see Agarwal, A.
Ghaswala, P. S. 92, 173, 804 (Book reviews)
Ghosh, D. K. 620 (Scientific correspondence)
Giri, C. C. 445 (Research communication)
Girji, R. M. 697 (Correspondence)

Glasby, G. P. 172 (Book review)
Gopalakrishnan, Geetha see Govindachari, T. R.;
Kabaleeswaran, V.
Gopalakrishnan, M. see Parashar, D. C.
Gopalakrishnan, M. see Parashar, D. C.
Gopalah, K. see Rao, G. V.
Gopinathan, K. P. see Joy, Omana
Govindachari, T. R. 295 (Research communication); see
Kabaleeswaran, V.
Govindaraj, A. see Seshadri, Ram
Grard, Rejean 562 (Article, Inner planets special issue)
Grätzel, M. 706 (Article, special section)
Gupta, K. Prabhat see Parashar, D. C.
Gupta, P. D. see Wadhwa, S. S.
Gupta, Raj K. 378 (Research communication)
Gupta, Rani see Saxena, R. K. (244)
Gupta, S. K. see Parashar, D. C.
Gupta, Shyam M. 659 (Research article)

Habibullah, C. M. see Das, M. R.
Haider, S. A. 577 (Article, Inner planets special issue)
Hamada, K. see Singh, V. P.
Handique, A. K. 103 (Research news)
Hasnain, Absar-ul see Pandey, Rakesh B.
Hebbar, K. B. 936 (Research communication)
Hegde, V. R. 128 (General article)
Hegde, V. S. see Hegde, V. R.
Hiremath, C. R. see Kanamadi, R. D.
Hosur, R. V. see Radha, P. K.
Hultqvist, Bengt 501 (Article, Inner planets special issue)
Hunsigi, Gururaj 891 (Scientific correspondence)

Iyengar, V. S. see Joseph, George Iyer, C. S. P. see Parashar, D. C. Iyer, S. D. see Kerkar, Vijaya

Jafri, S. H. see Ahmad, S. M.

Jaikumar, Akil see Wadhwa, S. S.

Jain, Ashok see Bhargava, S. C. (398)

Jain, N. C. 98, 334, 618 (Correspondence)

Jain, S. K. see Nanda, S. K.

Jalote, Pankaj 185, 265 (Commentary)

Jamadagni, B. M. see Rajput, J. C.

Jauhari, Pratima see Gupta, Shyam M.

Jayananda, M. 928 (Research communication)

Jayaraman, A. see Venkatesan, K.

Jemmis, Eluvathingal D. 766 (Research communication)

John, C. K. 822 (Scientific correspondence)

John, S. Mrs 257 (Correspondence)

Joseph, George 42 (Research article)

Joshi, Kirti 970 (Book review)

Joshi, M. S. see John, C. K.

Joy, Omana 145 (Research article)

Kabaleeswaran, V. 362 (Research article)
Kaduskar, V. N. see Joseph, George
Kak, Subhash C. 323 (Historical notes)
Kakroo, S. K. see Abrol, D. P.
Kala, M. S. see Shreedevi, T. T.
Kalbag, S. S. 894 (Commentary)
Kalyanasundaram, K. see Gratzel, M.
Kanamadi, R. D. 683 (Research communication)
Kaneko, Masao see Ramaraj, Ramasamy
Kanungo, S. P. see Parashar, D. C.
Kapoor, P. N. 773 (Research communication)
Kar, Anand see Sikdar, Malabika
Karami, Hassan see Chamyal, L. S.

Kasturirangan, K. 753 (General article) Kaul, M. L. H. 76 (Research communication) Kaul, S. see Parashar, D. C. Kavumpurath, S. see Pandian, T. J. (240) Kedareshwarudu, U. see Lakshmipatiraju, A. Keller, H. U. 603 (Article, Inner planets special issue) Kerkar, Vijaya 381, 868 (Research communications) Kesavan, P. C. see Sarma Lakshmi; Tiku, Ashu Bhan Khare, N. see Nigam, R. Khurana, A. see Kaul, M. L. H. Kiran Kumar, A. S. see Joseph, George Kiran, B. see Jemmis, Eluvathingal D. Kishan Kumar, V. S. see Singhvi, A. K. Kochhar, R. K. 965 (Historical commentary and notes) Krishna Kumar, D. see Neelakantan, K. Krishnamacharyulu, S. K. G. see Murthy, I. V. Radhakrishna Krishnamurthy, K. see Rao, C. S. V. Ramachandra Krishnan, V. 696 (In this issue); 729 (Article, special section) Kumar, Dhirendra see Mamallan, R. Kumar, Manoj see Shankar, P. N. Kunjappu, Joy T. 258 (Scientific correspondence)

Lakhotia, S. C. 79 (Research communication); 815 (News)
Lakshmikantham, M. V. 28 (General article)
Lakshmipatiraju, A. 153, 370, 673 (Research communications)
Lal, G. see Parashar, D. C.
Lal, Haji 60 (Research article)
Lal, M. 430 (Research article)
Lal, S. see Parashar, D. C.
Laul, V. P. 224 (Research communication)
Love, Gordon 349 (Review article)

Madan, Anup see Radha, P. K. Madhupratap, M. 340 (General article) Madhusudan, K. 664 (Research article) Mahabala, H. N. 874 (Book review) Mahabaleswar, B. see Jayananda, M. Maiti, T. K. 235 (Research communication) Mall, J. 158 (Research communication) Mallick, D. C. V. 171 (Book review)

Mamallan, R. 64 (Research communication) Manchanda, Rohit 183 (Scientific correspondence) Mandal, N. C. 88 (Abstract) Mandal, R. K. see Padhi, B. K. Manju, R. V. see Abida, P. S. Marian, L. A. see Pandian, T. J. (633, 635) Martin, H. see Jayananda, M. Mascarenhas, A. F. see John, C. K. Mathavan, S. see Pandian, T. J. (633) Mathur, Asha 86 (Abstract) Mathur, V. K. 228 (Research communication) Mazumdar, Shyamalava 650 (General article) Menon, K. K. G. 876 (Book review) Merh, S. S. see Chamyal, L. S. Mileham, Philip 627 (Article, special section) Mishra, B. B. see Mall, J Mishra, D. P. see Agarwal, A. Misra, C. M. see Saxena, R. K. Misra, Kumud 682 (Research communication) Mitra, A. P. see Parashar, D. C. Mohan Ram, H. Y. 164 (Personal news) Mohan, C. V. 656 (Review article) Mukherjee, Archana 941 (Research communication) Mukunda, N. 954 (Historical commentary and notes) Murthy, C. S. H. N. 617 (News)

Murthy, I. V. Radhakrishna 373 (Research communication)

Murthy, M. R. N. see Baranidharan, S.

Nadgauda, R. S. see John, C. K.

Nagachenchaiah, K. see Joseph, George

Nagaraja, V see Madhusudan, K.

Nagarajan, K. 820 (Commentary)

Nagaratnam, A. 194 (General article)

Nagrani, C. M. see Joseph, George Nair, B. U. see Parashar, D. C.

Nair, C. K. K. see Kunjappu, Joy T. Nair, K. N. V. see Madhupratap, M.

Nair, S. R. Sreekumaran see Madhupratap, M.

Nambiar, A. see Das, M. R. Nanda, S. K. 421 (Review article)

Nandi, Malay see Sathe, Kashinath M.

Nandy, A. 309 (Research communication); 821 (Scientific

correspondence)

Narasimha, R. 16 (General article)

Narasimhan, Kotur S. 826 (General article)

Narasimhan, R. 261 (Commentary) Narayanan, P. 680 (Research communication)

Naresh Kumar, G. 336 (Commentary) Nasipuri, D. 387 (Book review) Natarajan, P. see Rao, N. Nageswara

Neelakantan, K. 334 (Correspondence)

Negi, Janardan G. see Uniyal, Parashu R.

Neuman, Stuart A. 798 (Book review) Nigam, Amar Nath 685 (Historical notes)

Nigam, R. 226 (Research communication)

Padhi, B. K. 624 (Opinion)

Padhy, L. C. see Radha, P. K.

Padmavathi Ravindra, T. see Pai, G.

Padyatti, P. S. see Shreedevi, T. T.

Pai, G. 444 (Research communication)

Paintal, A. S. 905 (General article)

Palanivelu, P. see Basha, Shaik Yazdani

Palit, P. see Parashar, D. C.

Pandey, Ganesh P. 87 (Abstract)

Pandey, J. 299 (Research communication)

Pandey, Rakesh B. 870 (Research communication)

Pandian, T. J. 240 (Research communication); 633, 635

(Articles, special section)

Pant, Charu C. 621 (Scientific correspondence)
Parashar, D. C. 938 (Research communication)
Parida, K. M. see Parashar, D. C.

Parthasarathy, S. 56 (Research article)

Parulekar, Y. R. see Rajput, J. C.

Pathak, M. G. see Parashar, D. C.

Patil, D. J. see Das Sharma, S. Patil, P. T. see Patil, Smurutika

Patil, Smurutika 927 (Research communication)

Paulose, C. S. see Shreedevi, T. T.

Payak, M. M. 317 (Research communication)

Peucat, J-J. see Jayananda, M. Philip, J. see Shreedevi, T. T.

Pillai, Janardanan 892 (News)

Pimpale, A. V. 281 (General article)

Poinar, Jr. George O. 417 (General article)

Prabhuji, S. K. see Srivastava, G. C. Prakash, Om 700 (Commentary)

Prasad, S. see Dutta Roy, S. C.

Prasad, T. G. see Abida, P. S.; Pai, G.

Prathap, G. 813 (Correspondence)

Purcell, E. M. 947 (Historical commentary and notes)

Purkait, N. N. see Parashar, D. C.

Putatunda, B. N. see Abrol, D. P.

Radha, P. K. 287 (Research article) Radhakrishnan, V. 248 (Personal news) Raghubanshi, A. S. see Singh, J. S.

Raghunathan, R. see Govindachari, T. R.

Raha, Sanghamitra 232 (Research communication)

Rai, J. see Parashar, D. C.

Rajaguru, S. N. see Singhvi, A. K. Rajan, S. S. see Govindachari, T. R.; Kabaleeswaran, V.

Rajan, Y. S. 319 (Book review)

Rajashekar, T. B. 199 (General article)

Rajput, J. C. 779 (Research communication) Raju, A. R. see Seshadri, Ram

Rama Durga see Das, M. R.

Ramakrishnan, P. S. 451 (Book review)

Raman, Anantanarayanan 245 (Book review) Ramaraj, Ramasamy 735 (Article, special section)

Ramasami, T. see Parashar, D. C. Ramasarma, T. 875 (Book review) Ramaseshan, S. 483, 784 (Editorial notes)

Ramasubramanian, K. 784 (Historical commentary and notes)

Ramesh, V. see Madhusudan, K

Ranganath, G. S. see Suresh, K. A.

Rani, Sunita see Singh, Sarva Jit

Rankin, Joana M. 974 (Book review)

Rao, B. Nagamalleswara 675 (Research communication)

Rao, C. N. R. see Seshadri, Ram

Rao, C. S. V. Ramachandra 382 (Research communication) Rao, D. L. N. see Gupta, Raj K.

Rao, D. N. 388 (Book review)
Rao, G. V. 933 (Research communication)

Rao, Jagannadha A. 88 (Abstract)

Rao, N. H. see Lal, Haji

Rao, N. Nageswara 742 (Article, special section)

Rao, R. U. M. see Rao, G. V.

Rao, S. B. see Parashar, D. C.

Rao, V. R. see Parashar, D. C. Rau, M. A. 801 (Book review)

Ravi, A. A. Sreenivasa see Rajashekar, T. B.

Ravindranathan, T. 35 (General article)

Ray, H. S. see Parashar, D. C.

Reddy, G. K. see Rao, G. V. Reddy, M. B. 408 (Technical notes)

Reen, Rashmeet K. see Singh, Jaswant

Rehana, Z. see Das, M. R.

Rodriguez, Placid 88 (Abstract)

Roonwal, G. S. see Glasby, G. P.

Roy, Sudipto 629 (Article, special section) Russel, C. T. see Singh, R. N. (550)

Sachan, H. K. see Sharma, Rajesh

Saha, S. K. see Parashar, D. C.

Sahni, V. C. 816 (News) Saikia, B. K. see Parashar, D. C.

Samuel, Joseph 781 (Pedagogical notes)

Sane, P. V. see Parashar, D. C.

Sanjay Kumar see Hebbar, K. B. Santer, B. D. see Lal, M.

Sarkar, Amitabha see Sathe, Kashinath M.; Sur, Surojit

Sarkar, B. see Parashar, D. C.

Sarma, D. D. 85 (Abstract)

Sarma, Lakshmi 861 (Research communication)

Sarma, P. B. S. see Lal, Haji

Sashidhar, V. R. see Abida, P. S. Sathe, Kashinath M. 23 (General article)

Savithri, H. S. 86 (Abstract)

Sawant, S. S. see Rajput, J. C. Saxena, A. K. see Love, Gordon

Saxena, R. K. 74 (Research communication)

Saxena, R. K. 244 (Book review) Schneider, Hans see Kanamadi, R. D.

Sen, M. see Parashar, D. C.
Sen, Rahul see Seshadri, Ram
Sen, S. P. see Parashar, D. C.
Seshadri, Ram 839 (Research article)
Sethunathan, N. see Parashar, D. C.
Shankar, K. M. see Mohan, C. V.

Shankar, P. N. 151 (Research communication); see Desh-

pande, M. D.

Shanker, D. see Singh, V. P. Sharma, A. K. see Pant, Charu C.

Sharma, Amiya B. 112 (Commentary) Sharma, Bindu see Chamyal, L. S.

Sharma, Lalitha see Bhargava. S. C. (398)

Sharma, M. L. 9 (Scientific correspondence) Sharma, R. C. see Parashar, D. C. Sharma, R. N. 449 (Book review)

Sharma, Rajesh 65 (Research communication)

Sharma, Rajni see Baskar, Ramanathan Sharmila, P. see Saxena, R. K. (244) Sheela, S. G. see Pandian T. J. (240)

Shekhar, M. S. see Das, M. R.
Shetye, S. R. see Madhupratap, M.
Shreedevi, T. T. 763 (Research article)
Shreedhara, V. see Hegde, V. R.
Shrivastava, Minakshi see Misra, Kumud

Siddiqui, A. see Das, M. R.

Sikdar, Malabika 775 (Research communication)

Singh, A. R. see Parashar, D. C. Singh, B. R. see Bhat, C. K. Singh, G. see Parashar, D. C. Singh, Jaswant 365 (Research article)

Singh, J. S. 109 (Opinion)

Singh, K. P. 375 (Research communication) Singh, N. see Parashar, D. C.

Singh, Narendra 777 (Research communication)

Singh, R. N. 483 (Preface, Inner planets special issue); 493, 550 (Articles, *ibid*); *see* Upadhyay, Hari Om

Singh, Sarva Jit 219 (Research article) Singh, S. N. see Parashar, D. C. Singh, S. P. see Tiku, Ashu Bhan Singh, U. S. see Agarwal, A. Singh, Vijai see Singh, Narendra Singh, V. P. 922 (Research article)

Singhvi, A. K. 770 (Research communication)

Singlachar, M. A. see Hunsigi, Gururaj

Sinha, S. K. see Parashar, D. C. Sinha, S. K. see Srivastava, G. C.

Sinha, Suresh K. see Hebbar, K. B. Smigocki, A. C. see Bhargava, S. C. (439) Srinivas, M. D. see Ramasubramanian, K.

Srinivasan, C. 890 (Correspondence)
Srinivasan, K. R. see Parthasarathy, S.
Srinivasan, M. C. 137 (General article)
Srinivasan, R. see Das Sharma, S.
Srinivasan, R. see Pimpale, A. V.
Sriram, M. S. see Ramasubramanian, K.

Srivastava, Alok K. 260 (Opinion); see Ambasht, R. S.

Srivastava, G. C. 237 (Research communication)

Srivastava, G. C. see Mathur, V. K.
Srivastava, O. N. see Chandra Babu, K. S.
Subba Rao, G. V. see Chandra Babu, K. S.
Subbanna, G. N. see Seshadri, Ram
Subbaraya, B. H. see Parashar, D. C.
Subramanya, C. R. 84 (Abstract)
Sudharshana, L. see Abida, P. S.
Sukh Dev 181 (Correspondence)
Sundaram, C. V. 872 (Book review)
Sur, Surojit 99 (News)

Suresh, K. A. 101 (Research news)

Swamy, M. see Parashar, D. C.

Tata, J. R. D. 455 (Reproduced article, Historical notes) Taylor, F. W. 512 (Article, Inner planets special issue) Tiku, Ashu Bhan 677 (Research communication) Tiwari, S. C. 10 (Opinion); 814 (Correspondence) Townes, Charles H. 116 (General article) Twiss, R. Q. see Brown, R. Hanbury (945)

Uniyal, Parashu R. 258 (Correspondence); 406 (Opinion) Upadhyay, Hari Om 538 (Article, Inner planets special issue)

Valiathan, M. S. 123, 188 (General articles)
Varshney, C. K. see Singh, J. S.
Varshney, Umesh 6, 8 (News)
Vasundhara, R. 355 (Research article)
Venkatachalam, S. R. see Kunjappu, Joy T.
Venkataraman, Balu 703 (Article, special section)
Venkatesan, K. 780 (Personal news)
Venkateswarlu, K. see Manchanda, Rohit
Venkatramani, S. see Parashar, D. C.
Vijayaraghavan, Asha 818 (Research news)
Vimala, B. see Mukherjee, Archana
Virdi, J. S. 321 (Book review)
Virendra Kumar see Laul, V. P.

Wadhwa, S. S. 140 (General article) Wyatt, H. V. 97 (Correspondence); 320 (Book review)

Yadav, R. R. 862 (Research communication)

SUBJECT INDEX

Articles in Commentary, Historical commentary and notes, News, Opinion, Pedagogical notes, Research news, Technical notes, Books reviewed, and letters in Correspondence and Scientific correspondence are also listed by title alphabetically under the respective category name.

ABA cytokinin 668 (Research article) Abscisic acid 668 (Research article)

Abstracts of talks given at the Fifty-ninth Annual Meeting of the Indian Academy of Sciences at Dehra Dun, 6-9 November 1993 84-89

Aerodynamics 105 (Opinion)

Aharonov-Bohm effect 781 (Pedagogical notes)

Air quality 299 (Research communication)

Aircraft design 105 (Opinion)

Alluvial gravels 306 (Research communication)

Alluvial soils 158 (Research communication)

Alternating field demagnetization 370, 373 (Research communications)

Amber 395 (In this issue); 417 (General article); 890 (Correspondence)

Antarctic bottom water current 659 (Research article)

Aphids 385 (Research communication)

Aragonite 381 (Research communication)

Artemisinin 35 (General article)

Arthrobacter globiformis 235 (Research communication)

Artificial photosynthesis 706 (Article, special section)

Astronomical code 323 (Historical notes); 814 (Correspondence)

Augmented Satellite Launch Vehicle (ASLV) 408, 897 (Technical notes)

Auroral particle acceleration 501 (Article, Inner planets special

Axonal pathfinding 629 (Article, special section)

Azadirachtin-A 295 (Research communication); 362 (Research article)

Azadirachtin structure 331 (In this issue)

Baisakhi Formation 224 (Research communication)

Bamboo 822 (Scientific correspondence)

Barite mineralization 65 (Research communication)

Barley seeds 677 (Research communication)

Beach placer deposits 675 (Research communication)

Benz[a]anthracene 365 (Research article)

β-galactosidase expression 145 (Research article)

β-iectins 23 (General article)

Betta splendens 240 (Research communication)

Bhatnagar, Shanti Swarup 333 (News)

Biaryl compounds 833 (Review article)

Bibliographic databases 199 (General article)

Binary pulsar 5 (News)

Biodiversity 109 (Opinion); 137 (General article); 184, 892 (News)

Biogas 70 (Research communication)

Biological control. 865 (Research communication)

Biological database 892 (News)

Biological macromolecules 140 (General article)

Biomedical microscopies 92 (Book review)

Biopolymers 697 (News)

Bivalent interlocking 76 (Research communication)

Black hole 753 (General article)

Book reviews

Advances in Materials and Their Applications 872

Annual Review of Biochemistry, Vol. 62, 1993 388 Annual Review of Immunology, Vol. 11, 1993 321

Annual Review of Physical Chemistry, Vol. 42, 1991 90

Astrophysics: Stars and Galaxies 171

Biological Perspectives on Human Pigmentation (Cambridge Studies in Biological Anthropology) 449

Boffin: A Personal Story of the Early Days of Radar, Radio Astronomy and Quantum Optics 974

The C-DOT Story 874 Comparative Embryology of Angiosperms 801

Computational Algebraic Number Theory 970

An Ecological History of India 451

Ghani-The Traditional Oil Mill of India 876

The Golem: What Everyone Should Know About Science

India and the Quality of Life 172

Life Cycles: Reflections of an Evolutionary Biologist 798 Pollination in Tropics: (Proceedings of the International

Symposium on Pollination in Tropics) 245

Research Directions in Computer Science: An MIT Perspec-

A Skeptical Biochemist 173

Spectroscopy of Organic Compounds 387

State of India's Health 320

Textbook of Modern Biochemistry, Vol. 1, 875

Thermostability of Enzymes 244

Vikram Sarabhai: The Man and the Vision 319

Visualization in Biomedical Microscopies: 3-D Imaging Computer Applications 92

Bose statistics 954 (Historical commentary and notes) Bose, Satyendra Nath 166 (Historical notes)

Brackishwater fish 656 (Review article)

Brassica napus 442 (Research communication) Budha Pushkar 770 (Research communication)

C and O Isotopes 857 (Research communication)

Calcareous algae (Research communication)

Calcareous nanoplankton 74 (Research communication)

Calcitic ultramafics 307 (Research communication)

Calcium uptake 444 (Research communication)

Carbon nanotubes 839 (Research article)

Carbonate rocks 857 (Research communication)

Carbonatite complexes 64 (Research communication)

Casuarina 160 (Research communication)

Cavitation fields 213 (Review article)

Cavity flows 767 (Research communication)

Cell biology 793 (Historical reminiscences)

Cell parameters 362 (Research article)

Cellfate specification 629 (Article, special section)

Cellular automata 84 (Abstract)

Central Indian Basin 659 (Research article)

Chela laubuca 237 (Research communication)

Chemical synthesis, light energy 87 (Abstract)

Chemoheterotrophy 382 (Research communication)

Chromite ores 373 (Research communication)

Chromosomal damage 861 (Research communication) Chronological studies 770 (Research communication) Climate model 430 (Research article) Closed loop guidance 408 (Technical notes)
Closepet Batholith 928 (Research communication) Coastal oceanography, research problems 340 (General article) Collectotrichum falcatum 777 (Research communication) Column ozone 181 (Scientific correspondence) Comet Halley, space machines 603 (Article, Inner planets special issue)

Comet Shoemaker-Levy 9 355 (Research article) Comet nuclei 583 (Article, Inner planets special issue) Cometary Coma 603 (Article, Inner planets special issue) Cometary aeronomy 583 (Article, Inner planets special issue) Cometary atmosphere 583 (Article, Inner planets special issue)

Commentary

Crisis in undergraduate medical education in India 700 Foundation science and technology education 112 Inventorying, monitoring and conserving India's biological diversity 401 Need for genetic and molecular biological research in Indian fish (special section) 633 New drug research—A medicinal chemist's perceptions 820 Paradoxes in the evolution of introns and genes 336 Rural development through education 894 Science & technology in India-An evaluation 14 Student-faculty ratio at IITs and its impact 185 Survey of Indian computer professionals/students in USA taking up employment in India 265 Technology development: The role of the State 261

Commiphora wightii 9 (Scientific correspondence) Comparative embryology 801 (Book review)
Computer science 804 (Book review) Computer simulation model 183 (Scientific correspondence)
Constitutive promoter 145 (Research article)
Continuum emission 485 (Article, Inner planets special issue) Copal 417 (General article) Corneal transplantation 617 (News)

Correspondence

Amber 890

The astronomical code of the Rigveda 814

Comments on the Draft Paper for a New Technology Policy

Computer professionals/students in USA 890

Enhancing indigenous science coverage in communication media 98

How does one separate a mixture of cuprous chloride and mercurous chloride? 97

Indian Science Congress-Need to make it a stock-taking affair 334

Is it time to retire FORTRAN?, 334 Kalinga awardees—An analysis 618 New Technology Policy 814

Nobel's centenaries and their significance 890

Popper and the Naked Emperor 697

Referees' dyslexia 97

Scientific information 889

Split second and Olympics 258

Technology development: The role of the State 813 What ails our universities 257

Coseismic deformation 219 (Research article) Cosmic microwave 753 (General article)

Cosmic ray ionization 538 (Article, Inner planets special issue) Cuprous chloride 97 (Correspondence) Cytochrome c oxidase 650 (General article)

DAHP synthase 235 (Research communication) Daily soil water balance model 60 (Research article) Dark matter 268 (General article) Deccan volcanism 74 (Research communication) Deoxynucleotide triphosphates 421 (Review article) Diabetic rat 763 (Research article) Diastereoselectivity 917 (Review article)
Diels-Alder reaction 23, 35 (General articles) Dietary anti-oxidants 861 (Research communication) Differential dissolution 659 (Research article) Differential uplift, mountains 89 (Abstract) Direct simulation 767 (Research communication) Diseases, diagnosis and treatment 188 (General article) Disulphide-containing proteins 680 (Research communication) DNA base distribution 309 (Research communication) DNA-binding 258 (Scientific correspondence) DNA gyrase genes 664 (Research article) DNA sequences 821 (Scientific correspondence) Dominican amber 417 (General article) Drosophila 79 (Research communication) Drosophila melanogaster 287 (Research article) Drought-resistant protein 635 (Article, special section)

Earth science research 259 (Opinion) Earthquake hazard 406 (Opinion) East Asian miracle 261 (Commentary) Ecoregion 109 (Opinion)

Drugs, side effects 905 (General article) Ductile fracture 88 (Abstract)

Einstein's thoughts, constitution of radiation 685 (Historical

Epithermal fluids 65 (Research communication) Electromagnetism 781 (Pedagogical notes)

Electron fluxes 577 (Article, Inner planets special issue) Electronic databases 199 (General article); 889 (Correspondence)

Endocrine sex reversal, fishes 240 (Research communication) Endothermic reactions 85 (Abstract)

Energy dispersive X-ray fluorescence 303 (Research communication)

Energy scenario, India 826 (General article) Energy sources 826 (General article)

Entamoeba histolytica 232 (Research communication)

Entropy-driven transitions 101 (Research news)

Environment 260 (Opinion)

Enzymes 137 (General article)

Epidemiology 656 (Review article)

Epizootic ulcerative syndrome 656 (Review article)

Eukaryotic mRNAs 8 (News)

EXAFS spectrometer 281 (General article)

Eye infection 237 (Research communication)

Fiber cane 891 (Scientific correspondence)

Fish breeding 624 (Opinion)

Fish-mycopathology 237 (Research communication) Fisher carbene complex 23 (General article)

Foraminifera 226 (Research communication)

FORTRAN 334 (Correspondence)

Fish biodiversity 624 (Opinion)

Frog, courtship 683 (Research communication)

Fullerenes 766 (Research communication)

Fundamental parameters 950 (Historical commentary and notes)

Galactic halo 268 (General article) Gandhi Memorial Lecture 188 (General article) Garhwal syncline 228 (Research communication) Gastric peroxidase 87 (Abstract) Gastric ulceration 87 (Abstract) Gastropod molluscs 682 (Research communication) GATT 261 (Commentary) Gene transfer 635 (Article, special section) Geostationary satellites 42 (Research article) Global sequence homology 309 (Research communication) Global warming 378 (Research communication); 430 (Research article) Ground climate 16 (General article) Groundwater, chemical quality 375 (Research communication)

Heliodiaptomus viduus 81 (Research communication) Helium anomaly 933 (Research communication) Hepatitis-C-virus 621 (Scientific correspondence) Hepatoma cells 365 (Research article)

Heteropneustes fossilis 870 (Research communication)

Guggal 9 (Scientific correspondence)

Historical commentary and notes The astronomical code of the Rigveda 323 Bose statistics and the stars 950 Bose statistics-Before and after 954 Correlation between photons in two coherent beams of light Letter to the Editor 947 Modification of the earlier Indian planetary theory by the

Kerala astronomers (c. 1500 AD) and the implied heliocentric picture of planetary motion 784 N. I. Vavilov, Martyr to genetic truth 790 Planck's law, and the light quantum hypothesis 943 Ray-Dutt Twist-A milestone in mechanistic chemistry 246 Role of entropy in Einstein's thoughts on constitution of

radiation 685 Saha and Bose-Champions of a common cause 166 Shipbuilding at Bombay 965

The story of Indian transport (The Sixteenth British Commonwealth Lecture) 455

Historical reminiscences

My first sixty years—The spread of biology down to the level of the gene 793

Human genome 407 (Opinion) Human placenta 88 (Abstract) Hyoscyamus muticus 445 (Research communication)

Image display and image processing 140 (General article) India's biological diversity 401 (Commentary)
Indian Science Congress 334 (Correspondence)
Indian air transport 455 (Historical notes)
Indian aviation 452 (Personal news) Indian computer professionals 265 (Commentary) Indian fish, genetic and molecular biological research 633 (Commentary, special section)
Indian mackerel 340 (General article) Indian planetary theory 784 (Historical commentary and notes) Indian universities 257 (Correspondence) Indigenous science 98 (Correspondence) Indigenous technology 10 (Opinion) Indistinguishable particles 954 (Historical commentary and Information communication 199 (General article)

Inner Planets 512 (Article, Inner planets special issue) Inositol triphosphate 232 (Research communication) INSAT-2 42 (Research article) Insect diversity 271 (General article) Insect societies 271 (General article) Instrumentation 950 (Historical commentary and notes) Inter-University Consortium, DAEF 281 (General article) Interferometers-stars 950 (Historical commentary and notes) Interior planets 784 (Historical commentary and notes) Intraplate deformation 406 (Opinion) Introns 336 (Commentary) Ionizing solar flux models 538 (Article, Inner planets special issue) Ionopause 547 (Article, Inner planets special issue) Ionospheric scintillations 927 (Research communication)

Jaisalmer Formation 224 (Research communication) Japanese encephalitis virus 86 (Abstract)

Irreversible magnetization 84 (Abstract)

Kali river Basin 128 (General article) Kalinga Prize 618 (Correspondence) Kartoli 779 (Research communication) Kerala astronomers 784 (Historical commentary and notes) Keratoplasty 617 (News) Keto-aldehyde 35 (General article) Keystone species 109 (Opinion)

Killari earthquake 933 (Research communication) Knowledge 697 (Correspondence)

λ-maximum 773 (Research communication) Land use/land cover pattern 128 (General article) Large telescopes 349 (Review article) Ligase chain reaction 421 (Review article) Light harvesting systems 729 (Article, special section) Light wavelength 775 (Research communication) Lipaphis erysimi 385 (Research communication) Liquid junction potential 56 (Research article) Litterfall 160 (Research communication) Lower Narmada valley 306 (Research communication) Lung cancer and radon 194 (General article)

Magnetic susceptibility 673, 675 (Research communications) Magnetospheres 501 (Article, Inner planets special issue) Maize 317 (Research communication) Manganese ore 153, 370, 673 (Research communications) Mangrove ecosystem 382 (Research communication) Mantle-derived quartz monzonites 928 (Research communication) Marine algae 381 (Research communication) Mars 562, 577 (Articles, Inner planets special issue) Mathematics, recent developments 699 (News) Medical education 700 (Commentary) Medical research, accountability 905 (General article) Medicinal and aromatic plants 397 (News) Medium range weather forecast 60 (Research article) Meiotic versatility 76 (Research communication) Mercurous chloride 97 (Correspondence) Metalloorganics 99 (News) Method of oxidation 314 (Research communication) Microbial biodiversity 137 (General article) Microgastropod 228 (Research communication) Microporus solids 85 (Abstract) Molecular photonic devices 729 (Article, special section) Momordica dioica 779 (Research communication) Monazite 158 (Research communication)

Monzogranites 928 (Research communication) Motor and sensory chromosomes 818 (Research news) M Sc and Ph D manpower 398 (Scientific correspondence)
Multi-disciplinary sciences 116 (General article) Multidate satellite data 128 (General article) Multiskill training 894 (Commentary)
Muscle myogens 870 (Research communication) Mushroom 70 (Research communication) Mycobacterium smegmatis 88 (Abstract) Mycobacterium tuberculosis 664 (Research article) Mycorrhizal colonization 444 (Research communication)

Nanocrystalline graphite 839 (Research article) Nanomaterials 742 (Article, special section) Natural background radiation 194 (General article) Neomycin phosphotransferase 439 (Research communication) Neuropathies 818 (Research news) Neutron star 753 (General article) New technology policy 181, 814 (Correspondence) New drug research 820 (Commentary)

News

Conserving the biodiversity of the Western Ghats as if people matter 184

Developing biodiversity information system 892

Emerging frontiers in corneal transplantation and keratoplasty

Medicinal and aromatic plants 397

Nobel Prize for Chemistry 6

Nobel Prize for Medicine or Physiology 8

Nobel Prize for Physics 5

A novel method for the structural characterization of biopolymers 697

Palaeobiochemistry-Bridging the gap between the living and dead 815

Pew award to Prof. Madhav Gadgil 184

Remembering Dr Shanti Swarup Bhatnagar 333

A report on the Discussion Meeting on organic synthesis and catalysis via metalloorganics 99

A report on National Seminar on Recent Developments in Mathematics 699

Solid State Physics meet 816

NMR characterization 287 (Research article) Nobel Prize, Chemistry 6 (News) Nobel Prize, Medicine or Physiology 8 (News) Nobel Prize, Physics 5 (News) Nobel's centenary 890 (Correspondence)

Oil sardine 340 (General article)

Opinion

Constraints affecting development of an integrated strategy for environment and development issues 260 Earthquake of peninsular India and plate tectonics 406 Improper fish breeding practices and their impact on aquaculture and fish biodiversity 624

On the recentness of current researches in earth science in India 259

Revitalizing aerodynamics in India: Challenges and opportunities 105

Role of technology and relevance of self-reliance 10 What should India be doing in the human genome? 407

Optical absorption 763 (Research article) Organic synthesis 99 (News)

Osmotic stress 936 (Research communication) Overexpression, protein 287 (Research article) Oviducal gland 81 (Research communication) Oxy-Cope rearrangement 917 (Review article) Oxygen evolution 735 (Article, special section)

Paddy fields 938 (Research communication) Palaeoclimate 226 (Research communication) Palaeontology 815 (News) Palaeoseismic events 862 (Research communication) Parasitic and predatory insects 271 (General article)

Pedagogical notes

The Ahamov-Bohn effect 781

Penicillium pinophilum 865 (Research communication)

Personal/Academy/Society news

Barbara McClintock (an obituary) 877 Indian Academy of Sciences elects new Fellows 390 John Bolton-Astronomer extraordinary (an obituary of John Bolton) 248

J. R. D. Tata and Indian aviation (an obituary of J. R. D. Tata) 452

A multi-faceted personality (an obituary of Y. T. Thathachary)

A protagonist of plant sciences (an obituary of Frederic Campion Steward) 164

π-electron donors 28 (General article)

Phase separation 101 (Research news)

Phase transitions 84 (Abstract); 101 (Research news) Phenobarbital-inducible cytochromes 365 (Research article)

Phosphatic nodules 224 (Research communication)
Photocatalysis 742 (Article, special section)

Photoelectric emission 950 (Historical commentary and notes)

Photoelectrochemical cells 703, 706, 715 (Articles, special section) Photoelectrochemistry 703 (Article, special section)

Photoelectrode materials 715 (Article, special section)

Photoelectron spectroscopy 281 (General article)

Photoionization 538 (Article, Inner planets special issue)

Photometer 181 (Scientific correspondence)

Physiologic race 777 (Research communication)

Pila globosa 682 (Research communication)

Pioneer Venus orbiter 547 (Article, Inner planets special issue)

Planck's Law 943 (Historical commentary and notes)

Planet Mercury 525 (Article, Inner planets special issue)

Planetary atmospheres 485, 493 (Articles, Inner planets special

Planetary formation 525 (Article, Inner planets special issue) Planetary motion 784 (Historical commentary and notes)

Plant tymovirus 86 (Abstract) Plantlet establishment 941 (Research communication)

Plasmid isolation 335 (Scientific correspondence)

Plate tectonics 406 (Opinion)

Plutons 67 (Research communication)

Poisson distribution 922 (Research article)

Polycyclic ketones 917 (Review article)

Polymerase chain reaction 395 (In this issue); 421 (Review article)

Polymetallic sulphide mineralization 824 (Scientific correspon-

Polynuclear complexes 706 (Article, special section)

Protein conformation 763 (Research article)

Protein folding 230 (Research communication); 847 (Research article)

Protein polymorphism 870 (Research communication)
Protoclone progenies 445 (Research communication)
Proton pumping 650 (General article)
Publications received 327
Publications polysogra 317 (Research communication)

Puccinia polysora 317 (Research communication)
Pufferfish genome 627 (Research news, special section)

Quantum mechanics 781 (Pedagogical notes)
Quantum statistics 954 (Historical commentary and notes)
Quasi-static response 219 (Research article)
Quaternary sedimentation 620 (Scientific correspondence)

Radiation 943 (Historical commentary and notes)
I.adiation damage 677 (Research communication)
Radio protection 861 (Research communication)
Radio surveys 84 (Abstract)
Radon 194 (General article)
Ramdas layer 16 (General article)
Rare metal 67 (Research communication)
Ray-Dutt Twist 246 (Historical notes)
Referees' dyslexia 97 (Correspondence)
Regioselectivity 833 (Review article)
Remote sensing 897 (Technical notes)

Research news

Genetic defects in hereditary motor sensory neuropathies 818

New technique for thermostability of restriction and modifying enzymes 103

The pufferfish genome: Small is beautiful? (special section)

Should entropy always drive a system to disorder? 101

Restriction and modifying enzymes 103 (Research news)
Restriction enzyme digestion 335 (Scientific correspondence)
Ribosome 230 (Research communication)
Rigveda 323 (Historical notes)
Ring expansion systems 917 (Review article)
Root signals 668 (Research article)
Rotamer 847 (Research article)
Rotation of the globe 525 (Article, Inner planets special issue)
Rural technology schools 894 (Commentary)
Ruthenium complex 735 (Article, special section)

Saha, Meghnad 166 (Historical notes)
Sardine and mackerel fishery 331 (In this issue)
Scan mirror 42 (Research article)
Scanning tunnelling microscope 140 (General article)
Scanning tunnelling microscopy 839 (Research article)
Science and technology 10 (Opinion); 14 (Commentary)
Science and technology education 112 (Commentary)
Science as service 188 (General article)
Science education in India 907 (General article)
Science in India 907 (General article)

Scientific correspondence

Comment on 'Quaternary sedimentation in the Indo-Gangetic Basin: A review' 620

Comments on 'A computer simulation model for action potential in an excitable membrane' 183

Comparative chemical analysis of oleogum resin of Commiphora wightii Arnott. Bhandari 9

Declining trend in M Sc and Ph D manpower: Modelling and forecasting 398

DNA-binding monitoring made easy 258

Graphical representation of long DNA sequences 821

Inconsistencies in the long term Indian total ozone data 181
Indian strain of HCV 621
Mineralogy of polymetallic sulphide mineralization in Archaean greenstones at TISK-USGAO, Goa, India 824
A modified alkaline lysis procedure for isolation of plasmid for Escherichia coli 335
Selection—a valuable method for bamboo improvement 822
Stored product mite Tyrophagus longior (Gervais) (Astigmata: Acaridae) with hive bees in India 105

Sugarcane: A renewable natural agricultural resource 891

Scientific information 889 (Correspondence) Scorpion venom toxins 680 (Research communication) Secondary structure 847 (Research article) Seismic energy release 922 (Research article) Seismicity rates 922 (Research article) Semiconductor septum 715 (Article, special section) Sex modification 779 (Research communication)
Shillong Plateau 64 (Research communication) Shipbuilding 965 (Historical commentary and notes) Signal transduction 232 (Research communication) Single-bubble sonoluminescence 179 (In this issue); 213 (Review article) Soil organic matter 378 (Research communication) Solar coronal holes 493 (Article, Inner planets special issue) Solar energy 703, 715 (Articles, special section) Solar energy conversion, biomimetic approach 729 (Article, special section) Solar spectral irradiance 485 (Article, Inner planets special issue) Solar system 355 (Research article) Solar wind 493, 603 (Articles, Inner planets special issue) Solid state physics 816 (News) Southern or polysora rust 317 (Research communication) Space physics 501 (Article, Inner planets special issue) Space technology 753 (General article) Spectral wavelength 773 (Research communication) Spent biomass 70 (Research communication) Stable isotopes 307 (Research communication) Steam navigation 965 (Historical commentary and notes) Stereoselectivity 833 (Review article) Stretched Rohini Satellite Series (SROSS) 408, 897 (Technical Strike-slip faulting 219 (Research article) Student-faculty ratio 185 (Commentary) Sugarcane 777 (Research communication); 891 (Scientific correspondence) Sunflower 936 (Research communication) Superconductors 84 (Abstract) Superoxide dismutase 79 (Research communication) Surface morphology 868 (Research communication) Surface rupture 933 (Research communication)

Tal Formation 228 (Research communication)
Tata, J. R. D. 452 (Personal news)

Sweet potato 941 (Research communication)

Technical notes

ASLV-D4/SROSS-C2 Mission 897 Augmented Satellite Launch Vehicle (ASLV) 408

Technology development 261 (Commentary); 813 (Correspondence); 826 (General article)
Technology, self-reliance 10 (Opinion)
Telescope aberrations 349 (Review article)

Telomere adhesions 76 (Research communication) Temperate fields, Pune 297 (Research communication) Temperature structure 512 (Article, Inner planets special issue) Temporal changes 375 (Research communication)
Tertiary structure 680 (Research communication) Tetracyanoquinodimethane 28 (General article) Tetrathiafulvalene 28 (General article) Thermal demagnetization 373 (Research communication) Thermodynamic activities, ions 56 (Research article) Thermosensitivity 79 (Research communication) Thermostability 103 (Research news) Toroidal vortices 151 (Research communication) Transgenic fish 635 (Article, special section) Transient expression 145 (Research article) Transition metal oxides 85 (Abstract) Transposons 336 (Commentary) Tree rings 862 (Research communication) Tropical grain legumes 439 (Research communication) Tryptophan and tyrosine double auxotroph 235 (Research communication) Tunnelling measurements 839 (Research article) Turbulent flow 767 (Research communication) Tyrophagus longior 105 (Scientific correspondence)

Ultramafic alkaline complex 64 (Research communication) Union Budget 1994-95, Extracts 623 Universities, higher education 123 (General article)
Urban environment 299 (Research communication)
Urban heat island 297 (Research communication)

Venus 538 (Article, Inner planets special issue)
Venus atmosphere 550 (Article, Inner planets special issue)
Venus, lightning 547, 550 (Articles, Inner planets special issue)
Vitrinite reflectance 773 (Research communication)
Vivotoxin 442 (Research communication)
Vortex rings 151 (Research communication)

Wasteland rehabilitation 378 (Research communication)
Water decomposition 742 (Article, special section)
Water oxidation 735 (Article, special section)
Water stress 444 (Research communication)
Wave and plasma environments 562 (Article, Inner planets special issue)
Wavefront correction system 349 (Review article)
Western Ghats 128 (General article); 184 (News)
Wet digestion 314 (Research communication)

X-ray diffraction 295 (Research communication) X-ray structure determination 362 (Research article)

Wild bird 775 (Research communication)

Zebrafish nervous system 629 (Article, special section)

